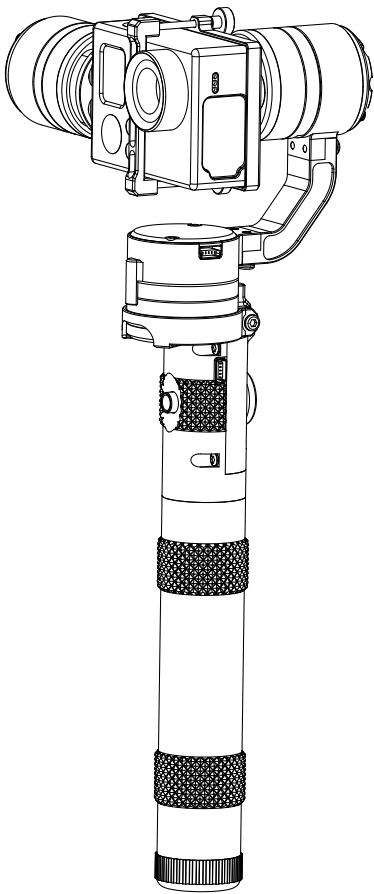


Magic

User Manual

(Plug and play option)



(V1.0 / 2015.01)

Disclaimer

Thanks for purchasing DYS products. Please use the product strictly in accordance with this manual.

Please read this instruction manual carefully before using the product. By using this product, you hereby agree to this disclaimer and signify that you have read it in full.

Please do not calibrate the gimbal or change the structure without prior notice. As DYS has no control over use, setup, final assembly, modification or misuse, no liability shall be assumed nor accepted for any resulting damager or injury. By the act of use, setup or assembly, the user accepts all resulting liability. DYS assumes no liability for damages or injuries incurred directly or indirectly from the use of this product.

Any problems while mounting or using this product, please contact with the authorised agent or the customer service of DYS.

Description

For Gopro4/ Gopro3+/ Gopro3 and same size sport camera.

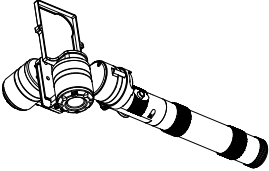
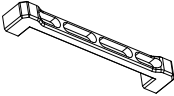

Full aluminum handle with comfortable holding feeling as well as easy-to-use by one hand.

Light weight, portable, friendly use and plug and play. Fast moving, chasing or turning, low angle shooting can be achieved easily. Life time more than 2 hours .

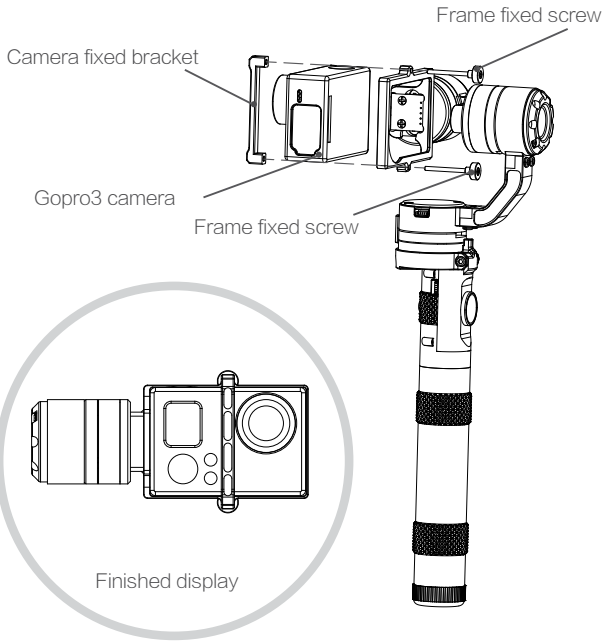
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Bill of Material

3 axis stabilizer x1	Camera fixed bracket x1
	
R123A/16340 3.7Vx4	Others
	16340 charger x1
	M2x12 screw x2

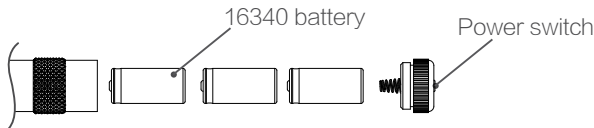
Gopro camera mount



Above unmounted screen, fixed with M2 x 12 inner-hexagon screw.

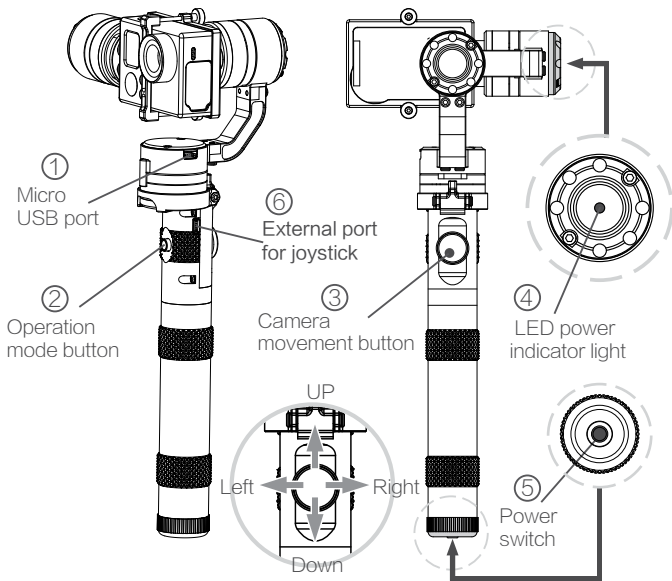
Battery installation

- 1. Unscrew the battery cap of the handle, mount 3 fully charged batteries 16340.
- 2. Lock the battery cap.



- 1. Battery switch is the gimbal switch, please ensure the switch is off while mounting the battery.
- 2. Please note that the polarity of battery cannot reverse while mounting.
- 3. If battery fixed not firm enough, power will be bad contact or fail to read.

Function key usage



1. Micro USB port

Setting modify and firmware upgrade

2. Operation mode button

This gimbal has four defaulted working modes as following steps,

- a. Press 1 time, access Yaw Follow mode, sound "Da Da Di" means ok;
- b. Press 2 times, access Yaw Lock mode, sound " Da Da Di" means ok;
- c. Press 3 times, access Pitch Lock, Yaw Follow mode, sound "Da Da Di" means ok;
- d. Press 4 times, access Yaw, Roll control switching mode, sound "Di" means ok.

3. Camera movement button

Four directions sliding button, up and down, right and left moving with camera.

4. LED power indicator light

Indicator light will be green when fully charged; Low battery warning will appear when turn yellow; Power will be off at any time when turn red and keep blinking, then it is time to charge the battery.

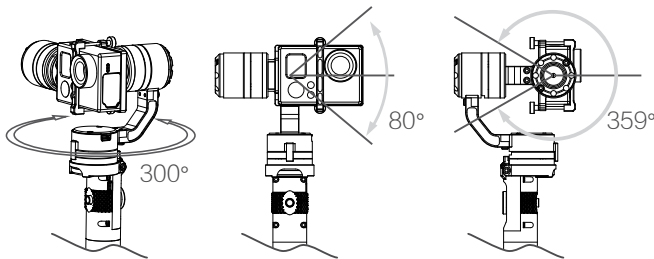
5. Power switch

Power switch is battery switch and gimbal reboot switch. Gimbal will be start when plug battery and press this switch.

6. External port for joystick

This port will transfer the gimbal control signal to the external joystick, then you can switch the working modes and control the gimbal directions from outside.

Axis rotation sketch



• Note: Please do not use the stabilizer with other angles except for the above, otherwise the stabilizer may not be used normally.

Characteristic

Item	Min	Standard	Max	Comment
Operating voltage	7.4V	11.1V	12.6V	
Operating current	200mA	450mA	2A	
Static tracking accuracy	± 0.01°		± 0.04°	
Dynamic tracking accuracy	± 0.1°	± 0.2°	± 0.04°	
Pitch range	-80°	0°	+180°	
Roll range	-45°	0°	+35°	
Yaw range	-350°	0°	+350°	Vertical handheld
Yaw range	-50°	0°	+50°	Horizontal handheld
Pitch follow speed	1°/S		50°/S	
Yaw follow speed	1°/S		80°/S	
Battery life (25℃)	0.3H	1H	3H	650mAh x3
Working temperature	-20°	25°	45°	
Weight		300g		without batter and camera

Attentions

1. Usage attention

Please note sand proof, dust proof and water proof while using. Please clean the gimbal with soft dry cloth when available.

2. Battery and charge attentions

- a. Do not soak battery into water, keep the battery in dry and cool place when unused for a long time.
- b. Do not use the battery with disposable battery such as dry cell, or other battery with different capacities, models and varieties.
- c. Do not leave or use battery near source of heat, otherwise it may catch fire or auto ignition while overheating.
- d. Use battery with equipped charger when charging. Do not charge when no one is around.
- e. Pay attention to discharge voltage, battery will overheat and slowdown in performance, expansion, even fire and explosion.
- f. Please pull the plug in time while full charge; Do not overcharging.
- g. Please ensure that the battery is installed properly while using.
- h. Do not heat or throw the battery into fire
- i. Do not short the battery by wire or any metals.
- j. Do not ship or store battery with necklaces, hairpins or other metals.
- k. Do not strike or drop battery, avoid battery of hitting with hard objects.
- l. Do not impale battery with nails or other sharp objects;
- m. Do not hammer or tread the battery.
- n. Do not decompose the battery in any way.
- o. Do not use the battery if any odor, deformation by heat or abnormal phenomena.
- p. Improper use, leakage or overcharging all may result in exploding or fire.
- q. Please clean the dirty battery ends with dry cloth. Or it may lead to poor contact, even energy loss or unable to charge.
- r. Do not throw the battery casually.
- s. Do not use batteries except for 16340 battery.
- t. Keep battery out of the reach of children.